

In the United States Patent and Trademark Office

Appn. Number: \_\_\_\_\_

Appn. Filed: \_\_\_\_\_

Applicant(s): Welbourne

Appn. Title: Laterally Ejecting Fluid Flow

Examiner/GAU: B24

Mailed: With Application

At: \_\_\_\_\_

Information Disclosure Statement

Commissioner of Patents and Trademarks  
Washington, District of Columbia 20231

Sir:

Attached is a completed Form PTO-1449 and copies of the pertinent parts of the references cited thereon.

Following are comments on these references pursuant to Rule 9R:

Patent No. 5,456,210 to Miller which describes a watering system for poultry and the like. The system includes a deflector bell which guides water jets downward into a cup. A perceived problem with this system is that if water is ejected at high pressure it can bounce from the bottom of the cup and splash vertically out of the cup.

Patent, No. 4,779,571 to Row describes a system which allows watering poultry which includes a cup with a raised central plateau portion that defines a cup supply hole fed from a connecting passage. A pecking tip is present, motion of which allows water passage past said cup supply hole.

Patent, No. 5,070,817 to Momont describes a system with a back flow preventing means.

Patent 4,402,343 to Thompson et al. also describes a system with back flow preventing means therewithin.

Patent No. 4,538,791 to Wostal describes a valve mechanism for a livestock watering bowl. The valve is operated by a plunger motion.

Additional Patents which describe systems which include the presence of back-flow restricting means are:

Patent No. 4,199,000 to Edstrom Sr. et al.

Patent No. 4,282,831 to Nilsen;  
Patent No. 4,187,804 to von Taschitzki;  
Patent No. 4,138,967 to Tamborrino;  
Patent No. 4,047,503 to Wilmont;  
Patent No. 3,868,926 to Olde;  
Patent No. 3,527,193 to Smith; and  
Patent No. 3,505,978 to Nilsen.

As regards systems which can be activated by mechanical action to cause liquid to flow therefrom, the most relevant Patents are:

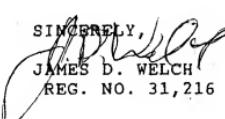
Patent No. 4,089,350 to Gustin;  
Patent No. 5,003,927 to Thompson; and  
Patent No. 6,003,468 to Edstrom Sr. et al.  
Patent No. 3,941,094 to Nilsen Jr.

Additional Patents which describe systems for performing functionally relevant processes are:

Patent No. 5,065,700 to Cross;  
Patent No. 4,416,221 to Novey;  
Patent No. 4,370,948 to Atkins;  
Patent No. 4,819,585 to Dolan et al.  
Patent No. 3,550,560 to Edstrom  
Patent No. 4,320,891 to Cairns.

Additional Patents known to the Applicant are:

Patent No. 2,600,103 to Feck;  
Patent No. 2,678,630 to Frederiksen;  
Patent No. 3,812,823 to Ridder et al.;  
Patent No. 4,187,804 to Von Taschitzki;  
Patent No. 4,307,682 to Bollman;  
Patent No. 4,539,938 to Maranell et al.;  
Patent No. 6,073,584 to Schumacher;  
Patent No. 3,941,094 to Nilsen Jr.;  
Patent No. 3,550,560 to Edstrom;  
Patent No. EP 0406607 to von Taschitzki;  
Patent No. GB 2134765 to Mallinson.

SINCERELY,  
  
JAMES B. WELCH  
REG. NO. 31,216

LIST OF PRIOR ART CITED BY APPLICANT  
(Use several sheets if necessary)

APPLICANT

Welbourne

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	5426216	10/1995	MILLER	119	75	
AB	4779571	10/1987	Row	119	75	
AC	5070817	12/1991	MOMONT	119	75	
AD	4402343	9/1983	Thompson et al.	137	614.2	
AE	4538791	9/1985	Wortzel	251	339	
AF	4199000	4/1980	Edelstein	137	206	
AG	4282831	8/1989	Milner	119	75	
AH	4138967	2/1979	Tamburino	119	78	
AI	40417503	9/1977	Wilmet	119	75	
AJ	3868926	3/1975	Older	119	75	
AK	35271913	9/1970	Sim. Th	119	72.5	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	Country	CLASS	SUBCLASS	TRANSLATION YES NO
AL						
AM						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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AA	3 505 577	8/4/1970	Nilren			
AB	4 089 350	3/15/78	Gutin	118	45	
AC	5 003 927	4/1/991	Thompson	119	72.5	
AD	6 003 468	12/1/99	Eldstrom et al	119	72.5	
AE	4 187 804		von Tschitzki	119	72.5	
AF	5 065 700	11/1/991	Craig	119	72.5	
AG	4 411 622	11/11/97	Norey	119	72.5	
AH	4 819 585	4/19/89	Delan et al.	119	72.5	
AI	4 320 859	1/3/1982	Cairns	251	332	
AJ	4 370 948	2/19/83	Atkins	119	72.5	
AK	3 550 576	1/12/1970	Eldstrom	119	72.5	

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<b>Notice of References Cited</b>		Application/Control No.	Applicant(s)/Patent Under Reexamination	
		10/128,223	WELBOURNE, STEPHEN B.	
Examiner		Art Unit		Page 3 of 4
David J Parsley		3643		

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
A	US-2,600,103	06-1952	Feck	119/77
B	US-2,678,630	05-1954	Frederiksen	119/75
C	US-3,812,823	05-1974	Ridder et al.	119/54
D	US-4,187,804	02-1980	von Taschitzki	119/72.5
E	US-4,307,682	12-1981	Bollman	119/75
F	US-4,539,938	09-1985	Maranell et al.	119/75
G	US-6,073,584	06-2000	Schumacher	119/72
H	US-			
I	US-			
J	US-			
K	US-			
L	US-			
M	US-			

FOREIGN PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
N	EP 0406607	01-1991	Europe	von Taschitzki	-----
O	GB 2134765	08-1984	United Kingdom	Mallinson	-----
P					
Q					
R			L		
S					
T					

NON-PATENT DOCUMENTS

*	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)			
U				
V				
W				
X				

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a))  
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A	US-3,941,094	03-1976	Nilsen, Jr.	119/80
B	US-3,550,560	12-1970	Edstrom	119/72.5
C	US-			
D	US-			
E	US-			
F	US-			
G	US-			
H	US-			
I	US-			
J	US-			
K	US-			
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M	US-			

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